



The Repair and Maintenance Of Earth Constructed Roads

Bulletin by U. S. Bureau of Good Roads.

has just been named.

Twenty-one members have been selected to constitute this committee, with representative Shackleford, of Missouri, as chairman, and the others in the list as follows: Edward W. Saunders, Virginia; Henry A. Barnhart, Judiana, James S. Davenport, Okiahuma, James F. Byrnes, South Carolina; Hubert D. Stephens, Mississippi; John J. Whitacre, Ohio: Robert L.

chairman until it completes its report, has accumulated a vast amount of valuable information, which is now obtainable in printed form upon application at room 130, schate office building, Washington, D. C.

Saturday and Sunday 50 clear Havana cigars, Inc size, Special box price, \$2.00, Hotel Sheldon Cigar Stand.

0000000000000000

The street cleaning department of The street cleaning department of the Idstrict of Columbia has been so well pleased with the two motorcycles recently purchased, that two additional machines will be installed in the department. One of the machines in this department has made an excellent record for economy of operation. The motorcycle has covered 2,800 miles and has only consumed 25 gallons of gasoline, making over 100 miles to a gallon of gasoline.

oline, making over 100 miles to a gallon of gasoline.
Reuben Ginsberg and George Drobins, of Chicago, will attempt to walk to Scattle. Wash, this summer. If they succeed they will be awarded a motorcycle, on which they expect to make the return trip.

A motorcycle race over the Elgin road course is being planned for July 4. Only 100 entrants will be admitted, and the race will be conducted under practically, the same conditions that exist during the Elgin automobile races.

June 1 about 50 members of the Excelsior Motorcycle club of Minneapolis, Minn, made a 120-mile cross country run on their two-wheelers.

On a motorcycle with sidecar attachment Mr. and Mrs. George M. Beckett of Pitisburg, have started on a trip which will include Harrisburg, Philadelphia, Atlantje City, New York, Providence, Buston, Springfield, Albany and Buffalo.

Members of the Greenville (Ala.) Motorcycle club are planning a trip to

Motorcycle club are planning a trip to Savannah, Ga., at an early date. The distance is 250 miles, which means that he cyclists will have covered 700 miles

when they arrive home.

It is estimated that there are 500 women motorcyclists in England at

Fund du Lac. Wis. Springfield, Mo. and Waupan, Wis., have been added to the list of cities finding motorcycles of great value in police work.

Two girl motorcyclists of Pasadena. Cal. Miss Vella Steele and Mrs. Bertha Wyle, recently broke all former records for riding to the summit of Mount Wilson.

The record of motorcycle officer William J. Lennon, of Grand Rapids, Mich., has proved the two-wheeler not only most efficient in police work, but also very economical. During the three years that Lennon has ridden a motorcycle he has traveled 70,000 miles, making an average of 23,333 les, making an average of 23,333 les a year. And a year of motor-ling duty in the Grand Rapids department means practically seven months. In his three years of service Lennon brought in 400 lawbreakers. In a motorcycle race recently staged in England between the Oxford and Cambridge riders were winners.

Elding his motorcycle at full month.

Riding his motorcycle at full speed to a place where he had been informed a duel would be fought, officer Whee, of Canton, Ohlo, arrived in time to prevent the duel.

Letoy Snodgrass left Los Angeles on lay 24 to ride his motorcycle to New ork City. Mrs. Snodgrass accom-York City, Mrs. Snodgrass accompanied him in a sidecar.

Many Hoosiers are planning to ride their motorcycles to Denver to attend the F. A. M. convention July 22-28.

Fifty-four members of the Taxoma and Olympia (Wash.) Motorcycle clubs enjoyed a 148 mile run on May

In less than a year there has been

By WILLIAM H. STEWART, Jr.

The limit is the desirency owners of first plant of the control of

Motoring Department, The Herald—My motor unisses frequently while in low speed, although only one cylinder is affected. I run on a high tension magneto and believe this ignition trouble may be due to the magneto or possibly to the pluss. How may I be able to determine the cause?—Motorist, First, determine whether you have equal compression in all the cylinders, it one cylinder has weak compression, this in fiself is the cause for the miss, it may be due to a compression beak either at the smark plug, the valve plug or the valves. Usually an unscrited exhaust valve will cause the trouble. If your miss is due to a defective spark plug our can easily locate this by short circuiting same with a strewdirlyer across the top, and noting the sound of the motor. If no porceptible change in the firing of the motor takes place with any one particular plug shore circuited, then your speak of is due to a defective gaskst on the intake manifold pine. A slight air leak at the gasket will cause a miss at slow engine speeds and not be noted perceptibly at higher engine speeds. It is hardly possible that the trouble lies in the magneto except that one of the secondary wires should turn any faster than any one abound turn any faster than any one abound

* * * Motoring Department, The Herald— Would it harm to use the same liquid carbon remover in more than one cylin-der? The solution is rather expensive, although effective, and according to directions should remain in the cylin-der for a couple of hours. A large quantity is required for each cylin-der.—Economy.

A scraping noise, which may vary in intensity, sometimes can be traced to a valve spring which has become deformed or misplaced and is rubbing against the plate which encloses the valve mechanism. Generally the noise is accompanied by improper functioning of the motor. Correction requires either the fitting of a new apring or the reshaping of the old spring so that contact with the cover plate is avoided.

It is not good manners to come honking and aquawking up behind a brother motorist who happens to be jorging at the respectable rate of 29 miles per hour, as if you were coming through at 80. Then, when the 20 mile man draws politely saide and less

you pass, to pull over in front of him and drop into a 26 mile jog yourself and give him the benefit of your dust

for a mile or two, as a reward for his politeness.

Probably no cure for "furring" of a radiator and connections in better than the simple use of rain water. Such water naturally has no minerals

dissolved in it, and consequently will dissolve those which are present in the cooling system. The water should be frained off when bot, for it is then that it holds the greatest quantities of soluble salts in suspension.

4 5 5

possibly gap slightly.

If a motor persists in missing when only a light load is being carried, before rentoring to adjustment of the carbureter, try making spark gap a little wider, presuming, of course, that a magneto is being used. On the other hand, if the motor misses when there is a heavy load on board, it may nossibly gap slightly.

No harm can be done by using the tame liquid in the other cylinders. It is doubtful, however, whether you will find it practical. The liquid may be emoved by means of a suction gun and then transferred to any one of the other cylinders. It may be worth experimenting.

Motoring Department. The Herald—Will my —magneto without injury to facility deliver enough amperage to light a small lamp for dash clock or side lamps, or both? Of course, I understand I shall have to control the voltage to protect the lamps, but if the magneto will deliver the current the voltage can be handled.—F. D. Moffet.

It is not practical to were such a After you have finished blowing up your fire, drop a film of moisture on the the valve outlet. If this moisture stays there, obviously the valve is tight, but if it disappears there is a leakage of air. In putting on the valve cap, after it has been screwed tight, loosen it a little and listen to see if there is any leak. If there is, then the cap has pushed the plunger down, and the thing to do is to adjust the washer in the cap, so that it does not touch the plunger, or else get a new cap.

Moffet.

It is not practical to use such a magneto for lighting purposes. It is best to use a generator in connection with a storage barfery. The magneto is designed for ignition purposes only, and could hardly be used for both.

** ** **

Motoring Department, The Herald—The radiator of my car and the water set so hot that I feel the warmth in the front sent. I understand that by putting some non injurious solution.

utting some non Injurious solution is the water the trouble can be elimi-ated. Will you please advise if this true -P. K.

is true—E. K.

Would suggest that you use a strong solution of alkali in the cooling system in order to remove foreign deposits, such as rust oil, etc. These deposits form a coating on the radiating curfaces, preventing proper cooling. Care must be taken not to allow the solution to remain in the coelling system too long. Pifteen or 36 minutes is sufficient. After draining thoroughly the whole system should be thoroughly rinsed to prevent the alicali from lajuring the various connections. If you do not care to mix the solution yourself, you can obtain name with directions for use from various supply stores.

supply stores. * * * Have The Heroid Follow You on Vacution Trips.

No fromble to change your address on The Heraid to your summer o.ding address. By mail, 60 cents per month, in advance—Advertisement,

Motoring Department, The Heraid—Using the name amount of fuel and under identical conditions, would a car equipped with light, detachable rims cured to tapered shaffs, care should be taken to see that the hubb are demonstable rims? Could any difference be noted with tires which were their locking nuts. Once a month the Motoring Department, The Herald-

tear hub caps should be taken off and the locking nuts be moved up as snugly as possible without injuring the threads. If this is not done, the hub will work loose on the shaft, and by rubbing against the key will certainly spread the key-way in comparatively short time.

CLEARING UP THE

RUNNING BOARDS.

In contrast to the methods in vogue only recently when a motor car owner figured his car more attractive because of profuse equipment scattered along the sides and rear of the machine, au-

Automobile & Accessories



Greer's Electric Garage 508 N. KANSAS Electric Cars, Sparking Batteries, and Auto Supplies,

Richardson Motor Car Co., Distributors. 422 San Antonio St. Phone 953, E. P. & S. W. BUILDING

COR. FRANKLIN AND N. STANTON

Winton Six

El Paso Auto Sales Co. Office 713 N. Ochoa St. Phone 3585. J. R. JOHNSON, JR., MGR.

C. P. HENRY, Manager,

Remy Magnetos

Service Station Ignition and Lighting WISEMAN & ANDERSON, Ignition Specialists,

Longwell's Auto Truck & Sales Co. Jas. Tays, Mgr. 120-22 San Francisco St.

Geo. L. Fisher, Distributor. Saletrooms Southwestern Building. Phone 189.



Automobiles Auto Supply Co.

No-Rim-Cut Tires 10% Over-Capacity

A \$3,000,000 Saving

Our reductions this year on No-Rim-Cut tires will save users, we judge, at least three million dollars.

And it comes about largely through mammoth production-by far the largest output in the world.

> Higher Prices Are Unfair

No-Rim-Cut tires -- because of special qualities-have always been high-price tires.

They used to cost one-fifth more than other standard tires. Yet we mover built them better than we build today.

These tires have always typithey won the topmost place in Tiredom just on that account.

every month in these days than we made in the year 1909.

We made more last year than in our previous 12 years put together.

No-Rim-Cut Tires With or Without Non-Skid Treads

No first-class tire with a limited cutput can be sold at an equal price. That's why some tires cost

Thus the cost has come down.

Now no standard tire of any type

costs less than No-Rim-Cut tires,

Of course the makers claim some extra quality.

But No-Rim-Cut tires are the sed the utmost in a tire. And leading tires. For a long, long time they were the costliest tires.

It was their very goodness that brought the cost down. Now, if But we make more of these tires others can't meet them, don't let them claim that

the tires they sell are better.

Write for Tire Book-14th year edition. It tells all known ways to economize on tires.

THE GOODYEAR TIRE & RUBBER CO., Akron, Ohio This Community has no connection whatever with any other rubber concern which uses the Goodyenr name.

For Sale By All Dealers

See The Studebaker

Cylinder Cars

For the present we can make immediate delivery of the following cars, all prices f. o. b. El Paso.

Studebaker "SIX" Cylinder, Seven Passenger Touring Car, with Electric Starter, and Electrie Lights\$1,650.00

Studebaker "35," Seven Passenger Touring Car, with Electric Starter and Electric

Studebaker "25," Five Passenger Touring Studebaker "25" Roadster..... \$940.00

We want to urge that you examine our line of automobiles before you purchase. We have wonderful cars for the money, with plenty of power, and complete in all details.

. We would be glad for you to call and examine our line at an early date, while we are in position to make immediate delivery.

Richardson Motor Car Co. DISTRIBUTORS

Phone 953.

422 San Antonio Street.